

# AI-POWERED SOMATIC CELL COUNT WITH COMPLETE TRACEABILITY

**prompt**<sup>®</sup>  
**SOMAEYE**  
vision-based somatic cell count

A smart, portable microscope-based system designed for rapid and accurate somatic cell counting in milk.

It integrates with a smartphone app to capture, visualize, and quantify cells in real time, providing reliable insights for milk quality assessment and early mastitis detection.



## Benefits

- Portable and lightweight
- Real-time inspection reduces laboratory dependency
- Visual + numerical correlation for better decision-making
- Enables digital data tracking for effective herd health monitoring
- Cost-effective and time-saving
- AI-powered automatic counting minimizes human error
- Eliminates dependency on laboratory microscopes
- Enables data storage, comparison, & traceability of test results

# Technical Specifications

Parameters	Specification
Magnification	1000×
Minimum Observable Particle Size	≥ 1 μm
Compatible Sample Type	Nearly transparent liquids capable of transmitting light
Illumination Source	LED light source
Power Supply	Power Supply 2 × AA batteries (test attachment)
Main Unit Dimensions	55W× 113H × 140D mm
Main Unit Weight	Approx. 450 g
Dimensions with Stand	175 W× 113H × 146D mm
Total Package Weight	Approx. 870 g

## Applications



Milk quality monitoring



Herd health management & treatment decisions



Early mastitis detection (subclinical & clinical)



Rapid screening at milk collection centers



Field-level dairy diagnostics and research support

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